

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2	("20040047751").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/09 10:48
S1	2	("4846221").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/03 14:48
S2	2	("1915694").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/03 14:48
S3	5	("3037523").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/03 14:48
S4	2	("6006786").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/03 14:47
S5	4	("1619481").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/03 14:47
S6	3	("1768638").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/03 14:47
S7	2	("0892594").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/03 14:46
S8	2	("5080565").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/03 14:46

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S9	2	("6454545").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/03 14:46
S10	2	("5647395").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/03 14:45
S11	2	("6319410").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/10 13:14
S12	31	("0036863"   "0157791"   "0939549"   "1375555"   "1614124"   "2118356"   "2151746"   "2160401"   "2996155"   "3939867"   "4218407"   "4235206"   "4257458"   "4599978"   "4628963"   "4696263"   "5203686"   "5370088"   "5380176"   "5647395").PN. OR ("6006786").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 15:04
S13	32	("2000883"   "2118356"   "2161769"   "2996155"   "4460074").PN. OR ("4628963").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 15:12
S14	263	417/550	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 15:12
S15	64	417/551	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 15:12
S17	8	("2457339"   "4360321").PN. OR ("5163819").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/03 15:34
S18	2	("20040047750").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/03 17:01
S19	201	417/570	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/08 11:15
S20	10	("2935248"   "3162360"   "3648722"   "4304534"   "4708168"   "5007807"). PN. OR ("5232354").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/08 11:38
S21	10083	piston with valve with hollow	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 18:52

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S22	4850	(piston with valve with hollow) and (pump or compressor)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/08 11:39
S23	1392	(piston with valve with hollow) and (pump or compressor) and gas	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/08 11:39
S24	97	(piston with valve with hollow) and (pump or compressor) and gas and ("suction valve")	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/08 11:40
S25	498	(92/181R).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/10 14:23
S26	283	piston with valve with hollow and LG	US-PGPUB; USPAT; USOCR	OR	OFF	2005/11/10 14:24
S27	0	("2004/0047750").URPN.	USPAT	OR	OFF	2005/11/10 14:41
S28	211	(92/183).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/10 14:41
S29	852	(91/422).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/10 14:41
S30	136	(91/222).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/10 14:51
S31	2	("20040047751").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/10 14:51
S32	41	(piston with valve with hollow) and "reciprocating motor"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 18:53
S33	579	(piston with valve) and "reciprocating motor"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 18:54
S34	68	(piston with valve) and "reciprocating motor" and "reciprocating compressor"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 18:54

## EAST Search History

S35	6	("6089836"   "6174141"   "6202791"   "6398523"   "6413057"   "6435842").PN. OR ("6676388").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 18:55
S36	27	("1583535"   "1834038"   "2001885"   "2020508"   "2110107"   "2372938"   "2981462"   "4406590"   "4522568"   "4580604"   "4628963"   "4642037"   "4955797"   "5035050"   "5062779"   "5203686"   "5452994"   "5609476"   "5806336"   "5884665").PN. OR ("6468060").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/08 15:46
S37	10	("5680881"   "5722817"   "5816783"   "5947708"   "5988994").PN. OR ("6152710").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/08 15:50
S38	10	("2935248"   "3162360"   "3648722"   "4304534"   "4708168"   "5007807").PN. OR ("5232354").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/08 16:27
S39	321	417/552	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/08 16:27
S40	12	("4077750"   "4915602"   "4958601"   "5174735"   "5533879"   "5556268"   "5655887"   "5674055"   "6095758"   "6135725"   "6280163").PN. OR ("6514058").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/08 16:50
S41	407	417/454	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/08 16:51
S42	211	S41 and (valve with piston)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/08 17:27
S43	0	("suction valve" with piston) and ("reciprcating compressor")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/08 17:28
S44	275	("suction valve" with piston) and ("reciprocating compressor")	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/08 17:28
S45	25	("1470548"   "1996346"   "2000883"   "2296883"   "2833462"   "3961868"   "4250844"   "4408389").PN. OR ("4532685").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/08 17:53